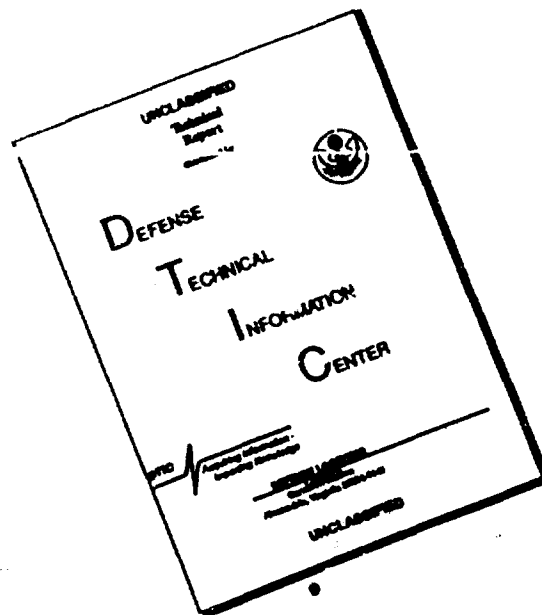


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PEARL -- THE AUTOMATED PERIODICALS CONTROL SYSTEM

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Introduction

The Rand Corporation Library decided to re-design its periodicals program when it became apparent the Corporation had plans to install an IBM 360/65 computer and the prospects of continued emulation or simulation of the IBM 1401 Autocder program, originally written in 1964, were bleak. For several years the program had been run under emulation on the IBM 7044 and no one was eager to continue work on it. In addition, the old program was very limited in design and was aimed primarily at eliminating the monthly typing of periodicals renewal lists. It was evident, with over 2,000 active titles totaling over 3,000 copies, a large number of inactive holdings, periodicals routed and filed in various end locations, etc., the library required a more sophisticated program which would eliminate or reduce many of the manual operations and provide for automatic check-in, routing, renewal lists, purchase order letters, inventory and binding control, etc., as well as provide the opportunity to introduce more reference/user-oriented capabilities.

Thus in March 1968 the Computer Sciences Department was contacted and a system analyst and programmer were assigned to work with the Library on a new periodicals program. A review of the literature was started, and trips to local libraries with automated periodicals systems were made. The only constraint was that the proposed system would operate in a batch mode environment.

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ACKNOWLEDGMENTS

The author would like to express her appreciation to Al MacInnes, System Analyst, Virgil Wood, Programmer, and members of the Rand Library staff, especially Sheila Thornton and Anne Beggin for their comments on this paper.

### ABSTRACTS

Describes PEARL (Periodicals Automation Rand Library) -- an automated periodicals control system which provides for automatic check-in and routing of periodicals. Instead of using claims cards or lists, the program produces double-column pressure sensitive labels combining check-in and routing in one operation. Negative reporting of non-received items is the basis for automatic update of holdings, rather than positive reporting. Other features are discussed, e.g., automated production of purchase order letters, claims and scrap lists, cross references and notes, etc.

PEARL operates on the 360/65 and controls over 2,000 active periodical titles, 3,000 copies, and 680 inactive titles.

By August 1968 the basic system objectives, requirements, and output formats were well defined. Data collection began in September 1968 and by September 1969 over 12,500 lines of data had been keypunched. Since we were able to save most of the data from the 1401 program's master file, the conversion to the new master was completed in September and became operational in November 1969 producing the Master List, statistical recap sheet, and the renewal list. The old program had been replaced.

By March 1970 the new program was generating purchase order letters for renewals, as well as additional management control reports. The Library also was testing the automatic check-in and routing system in parallel with the manual Kardex and routing systems. In June the manual routing system was dropped, followed by the complete elimination of the manual Kardex system in December 1970.

The Library's major objectives had been achieved in spite of a halt in programming support early in May which forced us to cut our sails. The binding control sub-system, and selected reports were not completed. Fortunately the programmer was able to devote some time to debug problem areas as they developed. Further improvements or refinements to the system will depend upon a happier economic environment.

#### The PEARL System Programs

The PEARL (Periodicals Automation, Rand Library) System (Figure 1) is written in PL/I and is now operating on the IBM 360/65 OS MVT. The system's objective is to facilitate the processing, routing, and control of the Library's periodicals subscriptions and holdings.

PEARL consists of two major programs (an Update and a Print Generator) and two sort programs which are run monthly to produce the output reports. The Update Program (LB.PS.0310) maintains the master file which contains about 4,000 variable length records ordered by an alpha-numeric six-character

title code which provides for alphabetic arrangement. A record consists of a basic 200-character fixed length portion with a varying number of 54-character fixed length informational fields appended to it. These fields can be added or deleted in entirety or updated individually. The maximum record length is delineated at 5,000 characters. The Update Program generates the Master List, Check-In and Routing Labels, Claims Cards, Error Report, Arrival Data List, Statistics Report, and a Report Generator Work File.

The program requires approximately 300K bytes of core and 408 seconds of CPU. There are over 25,000 I/O's and operating time is one-half hour. Data is stored on six tapes with disc used as temporary storage units. Supporting sub-programs include: LB.PS.0110 -- Detail Sort Program which accepts all punched input containing the month's transactions and produces a sorted work tape; LB.PS.0410 -- Work File Sort Program which sorts the work tape file records for appropriate input to the print generator program; LB.PS.0510 -- Print Generator Program which creates purchase order letters, department renewal, periodicals routing, and receipt notification lists; LB.PS.0710 -- Semi-Annual Reference List Program which produces an inventory printout of all library holdings in three indexes -- alphabetical, subject, language; LB.PS.09.10 -- Special reports program which generates various lists: claims, scrap, cancelled subscription, and inactive status lists, and a vendor activity report.

A brief review of all output reports follows:

**Master List.** A monthly alphabetical list of periodicals currently in the Rand Library. (Figure 2)

**Error Report.** Monthly list of file discrepancies. (Figure 3)

**Check-In and Routing Labels.** Monthly pressure sensitive, two-part labels used for receipt of an item and its routing. (Figure 4)

**Predicted Arrival Punch Cards.** Monthly claim cards which can be input to the system to indicate non-receipt of an expected item and to create an updated claims list. (Figure 5)

**Department Renewal List.** Monthly lists of periodicals up for renewal, sorted by Rand department responsible for initiating the subscriptions. (Figure 6)

**Subscription Renewal Purchase Orders.** Monthly purchase order letters for subscriptions selected to be renewed. (Figure 7)

**Receipt Notification List.** A monthly listing of notification of receipt of the first issue of a new or renewed subscription. (Figure 8)

**Statistics Report.** Monthly report showing number and types of subscriptions and costs. (Figure 9)

**Claims List.** Monthly, cumulative list of all issues not received, in alphabetical order by vendor. (Figure 10)

**Arrival Data List.** Frequency and pattern data used to compute the expected arrival and volume, issue, date, etc. of periodicals. (Figure 11). Available on request.

**Semi-Annual Periodical Reference List.** A cross-reference (title, subject, language) index of all periodicals held at Rand. (Figure 12)

**Department Periodicals Routing List.** Lists titles in alphabetical order by initiating department. Shows cost, and secondary routings. (Figure 13)

**Cancelled Subscription List.** Shows periodicals cancelled (not renewed) within the monthly reporting period. (Figure 14). Available on request.

**Inactive Status Listing.** Lists all periodical holdings still in the Library, but whose subscriptions are no longer active. (Figure 15). Available on request.

**Scrap List.** Lists titles and their retention period if less than 99 years. (Figure 16). Available on request.

**Vendor Activity Report.** Lists periodicals and costs by vendor, showing number of outstanding claims. (Figure 17). Available on request.

All of the reports listed are new to the Library except for the Department Renewal, Statistics, and Semi-Annual Periodical Reference lists.

The remainder of this paper will discuss some unique aspects of PEARL which have not been seen in the literature on periodical control systems.

### Automatic Check-In and Routing System

Several considerations influenced the design of the automatic check-in system, the principal factor being the desire to avoid handling large numbers of punched claims cards which were characteristic of most of the automated (batch) periodicals control systems reviewed.<sup>1</sup> These systems were based on positive notification to the program of receipt of an issue -- hence the need for pre-punched cards showing the volume, issue, and date of the periodicals expected to arrive in a given period.

The position taken by the Rand Library was that since most periodicals have a regular frequency of publication, and since most are received in the expected arrival time, it would be simpler to notify the program of non-receipt of a periodical. To effect this, the system analyst suggested the concept of negative reporting, i.e., a periodicals holdings record of the last issue received would be updated automatically to reflect the latest issue received, unless a claims card was input indicating non-receipt of the item.

Once this concept was agreed upon, the alternatives to handling punch cards were studied. It was felt card files were slow to process and an alternate means had to be provided for identifying the periodicals which did not arrive. A printed listing of expected arrivals would suffice, if appropriately marked, but this left routing of periodicals as a separate operation. At this point the system analyst suggested using a double column of pressure-sensitive labels with pre-printed identification and routing data (Figure 4). This approach, which appeared to satisfy all the objectives (the concept of negative reporting, elimination of daily handling of claims cards, and the merging of check-in and routing steps in one operation) was ultimately adopted.

At the beginning of each month the program produces routing labels, stubs, and a corresponding batch of pre-punched claims cards for the issues

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<sup>1</sup> Refer to Selected References at end of paper.



expected to arrive during that month. The stubs and their routing<sup>2</sup> labels are in alphabetical order by title code. Each stub carries the title code, title, volume, issue, part number, etc., and copy number, and is the portion which is matched against the incoming item. When a match is made, the routing label is pulled and affixed to the issue. At the end of the month, the claims cards corresponding to the stubs with routing labels remaining, are pulled and input to the program along with other transactions for the month. These cards represent items not received, and the program will so record them, and enter the missing issues on the monthly Master List with a "C" indicating they are claim items. At the same time a claims list will be printed including the latest not-received items. The stubs and routing labels will be repeated on the next monthly labels run, along with the new expected arrivals; a complete set of claims cards will be produced. Cards for the previous month are discarded after the claims cards for not-received items are pulled.

The heart of the Automatic Check-In and Routing System is the series of algorithms used to predict the expected arrival period, and the correct volume, issue and part number, date, etc. of each periodical. PEARL's algorithms are based on the frequency and pattern of publication, and the initial, and latest, issue received. Data collected for analysis was derived from the manual Kardex file and in some cases perusal of the periodicals. This data is still being refined, based on experience with the program. Seventeen Default Patterns (Figure 18) or algorithms determine the arrival prediction information. Figure 11 illustrates the arrival data used.

If the predicted information is incorrect, the correct data is entered in red on the stub. At the end of the month this data is entered on a

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<sup>2</sup> Although the program permits routing to individuals as well as departments, most of the routing is to Department Control Centers where subsequent routing to individuals occurs. The impact of undertaking all individual routing has not been investigated.

transmittal form, and if necessary is also checked against the Arrival Data List to determine if the Default Pattern requires adjustment. If an item arrives earlier than expected, the receipt is entered on a transmittal form, and a manual routing slip is prepared.

Our experience indicates that 300 to 350 claims cards are pulled each month, representing less than three percent of the total file. While a large number of claims cards are discarded monthly, the benefit from faster processing, the ability to scan the labels quickly, and the elimination of a separate routing process more than compensates for this "waste" of cards.

In those cases where the expected arrival cannot be predicted, labels are produced showing only the title code, title, copy number, and routing. When the item arrives, the pertinent control data (volume, issue, date of receipt, publication date, etc.) is written in red on the stub, and the routing label is pulled. At the end of the month, the control data is entered on a transmittal form for keypunch to update the holdings on the Master File. There is no automatic updating of these titles as they are updated via positive reporting of receipt. However, the history of the dates of receipt can be maintained in the data base and updated for future use in determining if a prediction schedule for label production is possible.

Currently there are 260 out of 2,407 titles (11 percent) whose arrival or publication pattern cannot be predicted. The Library has accepted the fact that without a manual Kardex to alert to the non-receipt of these titles, the only way to determine non-receipt is to review the Arrival Data List for all "X's" in the IRG (Irregular) column, and then check the Master List for latest holdings. This is acceptable because the titles involved are mostly foreign language, especially Russian, and our experience in claiming has been very poor. If this procedure should prove difficult we can revert to a Kardex for these titles, and the system will print labels directing the checker to the Kardex for entry.

### Data Elements

The Periodicals Input Sheet (Figure 19) shows the data elements and illustrates in abbreviated form, the various transmittals used. The data elements shown are self-explanatory, as are most of the codes defined in Figure 20, Periodicals Identification Input Transmittal Codes. Of some interest may be the Transliterate Code which eliminates the need to write the transliterated title on the covers of non-Roman alphabet periodicals, e.g., Russian and Chinese. If "Y" is entered on the appropriate transmittal form, the program will produce an extra label containing the transliterated title which is affixed to the periodical upon receipt, and used to assist in identification and shelving of the issue.

Also of some interest may be the Stub and Routing Label Codes (Figure 21) which appear, as required, on the stubs and in some cases, labels. These codes alert the Periodicals Workroom Staff to specific conditions or actions to be taken, e.g., CA on a stub indicates the label has been reprinted for a delinquent issue; TR indicates there is a transliterated title label to be affixed to the periodical. Other codes such as CI, NR and CL assist the shelvees and appear on both parts of the label.

### Cross References and Notes

A very useful capability of PEARL is the provision for entering cross references and notes for display in the Master List and Semi-Annual Reference List.<sup>3</sup> The old program had essentially no cross reference capability, and the user was confused because there was no easy way to determine when a periodical had changed title -- all holdings for the periodical, regardless of title changes, were listed as a unit under the latest title. To obtain an accurate history, the user had to look under earlier titles. This situation was compounded by a change in title shelving in 1968 when it was decided

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<sup>3</sup>Notes are displayed in the Master List only.

periodicals should be filed by their original titles and not physically shifted to reflect a title change.

In PEARL, cross references for title changes or mergers provide a way of illustrating all previous titles and holdings under the current title. (Figure 2). If a periodical has undergone several title changes, the history of these changes and the Library's holdings are reflected in stages under each new title up to the current title which reflects all previous history. The program permits up to ten lines of cross references, and ten lines of notes per title.

The notes capability was designed to assist the Periodicals Workroom staff and provide the Reference librarians with the opportunity to enter pertinent information relative to a title. The notes may be used to alert the staff to an action, e.g., "Subscription Sent Direct," or "Staple Pages Together," or "Prior to 1965 Stored at Main Street." Other uses may be to indicate the source of the exchange title, the professional association responsible for the publication, the fact the title is received as a supplement to another subscription, etc.

In designing the cross reference capability the Library hoped it would be possible to include automatic deletion of reciprocal cross reference, when a title was deleted. Unfortunately this was not possible due to the cutback in programming support and the detailed coding required. As a result, when a title is to be deleted, it is necessary to review the Master List to determine if a cross-reference structure exists and to take the appropriate action to correct the file.

#### Cost Information

As is well known, it is difficult to provide meaningful or comparative cost data. Therefore the very general figures presented are offered to assuage the reader who will feel he has missed something if costs are omitted.

The Library's costs are estimated at \$3,800.00 of which \$2,200.00 represent system formulation costs and the remainder data origination. The Computer Sciences Department's costs were approximately \$21,000 for labor and \$4,000 to \$5,000 for machine costs including keypunch. The machine costs, however, include some production costs and not just development costs. All labor costs exclude overhead or fringe. The monthly recurring costs are approximately \$70.00 for keypunch and \$100.00 for one-half hour of block computer time.

#### Summary

Before reviewing some of the lessons learned, it may be useful to list some of the benefits derived from PEARL, without elaborating on their full impact. These benefits include elimination of the Kardex through automatic posting of receipt of items, a Master List which shows complete holdings to date, end filing location for periodicals, a claims list which provides faster claims response, automatic routing, cross references, automatic production of purchase order letters for renewals, automatic notification to Purchasing of receipt of the first issue of a new or renewed subscription, departmental routing and cost data, cancelled, inactive and scrap lists, and improved statistics reporting to improve control, etc. There are other benefits, but one which should not be overlooked is the improved morale of the Periodicals Workroom Staff. Their job has been made more interesting through increased job responsibility and decision-making. They receive information from PEARL on a faster basis than the manual system, and must respond faster. In addition, they have been relieved of a lot of dull, routine work.

#### Lessons Learned

If we had it to do over again, there are several changes we would make. For example, although we specifically considered the user and his needs, PEARL is still more oriented to assisting the Periodicals Staff. The

Master List display may confuse the occasional user. Perhaps two masters should be produced -- one for the staff and one for the user. Or the Semi-Annual Reference List should be expanded and issued more frequently.

The routing program would be redesigned to permit changes and deletions without having to re-input all the routing data for a copy. This problem is aggravated when a title code must be changed -- all the data must be re-input. Fortunately this occurs very infrequently.

It would be useful to have the capability to list all items routed to an individual or department when they are not the primary recipient. The only capability now is a prime departmental routing list. There is no capability to produce a routing list by individual names.

Another desirable capability, and one which could not be completed because of lack of programming support, is the automatic generation of claims letters or postcards. It would also be useful to complete the binding sub-program.

Finally, a thorn in our sides which is irritating but can be lived with, is the fact that a claim item shown in the Master List will also appear as the last issue received if no subsequent issue has been received.

SELECTED REFERENCES

1. Pizer, Irwin H., et al. "Mechanization of Library Procedures in the Medium-Sized Medical Library: I. The Serial Record," Medical Library Association Bulletin, 51:313-338, July 1963.
2. University of California. San Diego. Serials Computer Report. Final Report. May 1964.  
Uses pre-punched arrival cards to update holdings.
3. Srygley, Ted F. "Serials Record Instructions for a Computerized Serial System," Library Resources and Technical Services, 8(3):248-256, Summer 1964.
4. Bishop, David, et al. "Publication Patterns of Scientific Serials," American Documentation, 16:113-121, April 1965.
5. University of Illinois. Library Automation Project. A Synopsis of an Automated Library Serials System Plus Instructions for Coding. Appendix II. July 1965. 38p.  
Uses pre-punched arrival cards to update holdings.
6. Eyman, Eleanor G., et al. "Periodicals Automation at Miami-Dade Junior College," Library Resources and Technical Services, 10(3):341-361, Summer 1966.  
Uses edge-punch cards, but no prediction arrival data.  
Cards include routing and shelving information.
7. Stewart, Bruce W. "Data Processing in an Academic Library," Wilson Library Bulletin, 41:388-395, December 1966.  
Plans were to use arrival cards to update holdings in the Texas A&M University Library.
8. Lebowitz, Abraham I. "The AEC Library Serial Record: A Study in Library Mechanization," Special Libraries, 58:154-159, March 1967.  
Uses arrival cards to update holdings.
9. Hammer, Donald P. Private Communication. December 8, 1967.  
Check-in system will "not use the arrival card method, but will use printouts instead."

10. New York State Library Periodicals Control System. Unpublished report. 1968?  
Weekly check-in lists. Arrival data is then put into machine-readable form to update holdings.
11. Texas A&M University. Private communication. 1968.  
Utilizes an 80 column card with 960 columns of printed data as the arrival card.
12. Roper, Fred W. "A Computer-Based Serials Control System for a Large Biomedical Library," American Documentation, 19:151-157, April 1968.  
Uses arrival check-in cards based on elapsed time prediction to update holdings.
13. Fayollat, Jim, and Luck, Don. Summary Report on the UCLA Biomedical Library Control System for Serials. October 1968. 12p.
14. Opstrup, Shirley B. and Klein, Ann S. Journal Control System at Oak Ridge National Laboratory. January 1969. 57p. (ORNL-4314).  
Uses arrival check-in cards to update holdings.
15. Grosch, Audrey N. "University of Minnesota Bio-Medical Library Serials System," Special Libraries, 60(6):349-360, July-August 1969.  
Uses check-in list which is keypunched daily for updating of holdings.
16. Bosseau, Don L. "The University of California at San Diego Serials System -- Revisited," Program, 4(1):1-29, January 1970.  
Reflects changes in UCSD's periodicals system, including the use of an arrival check-in list with subsequent pulling of arrival cards to update holdings.
17. Lasich, Bernard J. Dow Chemical Company. Private Communication. January 5, 1971.  
Punch cards based on predicted lag time. Receipt of journal is recorded on card and used to update monthly holdings list.



# PERIODICALS SYSTEM

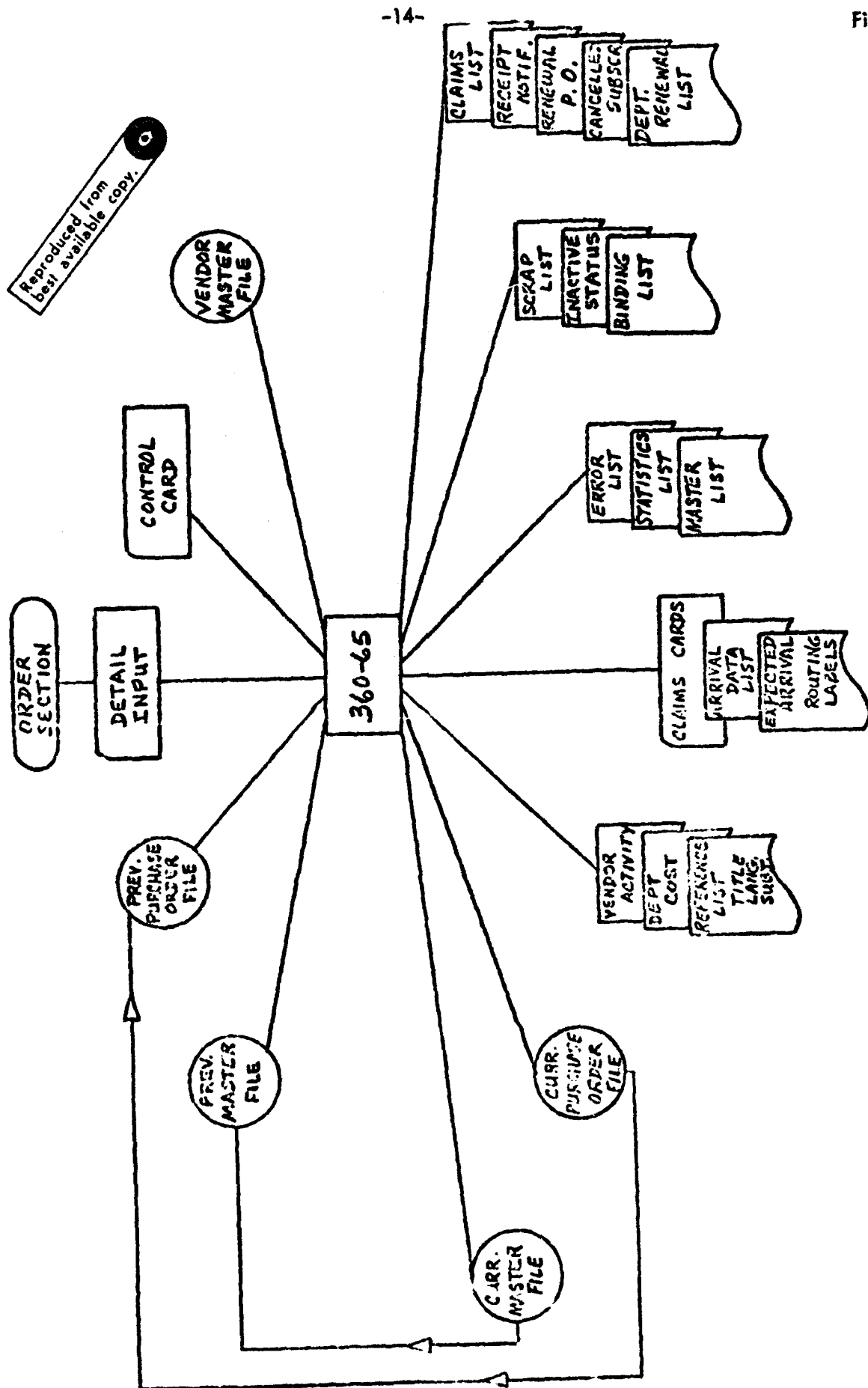


Figure 1





### Figure 4

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PREDICTED ARRIVAL CLAIMS CARDS

PA4621001501 1 010100004 040071 710501

[illegible]

ECONOMICS DEPARTMENT PERIODICALS RENEWAL LIST									
TITLE		COPY TOT		OTHER USERS		VENDOR		RENEWAL	
CODE	TITLE	NO	COP	COP	NAME OR DEPARTMENT			DATE	MOS SUBSCR.
									DUR PRICE
E15500	ECONOMIC DEVELOPMENT AND CULTURAL CHANGE	1	3			1415466	8	1 71	12 8.00
E15500	ECONOMIC DEVELOPMENT AND CULTURAL CHANGE	2	3			1415466	8	1 71	12 8.00
L17800	LEHET KIT•EI ITONUT BIV•AYUT YISRAEL-ARAV	1	1			0000000	8	1 71	6 6.53
	(AIR MAIL)								
		ITEMS		COST					
*** CURRENT RENEWALS		3		22.53					
ANNUAL RENEWALS TO DATE		18		2,031.50					
TOTAL SUBSCRIPTIONS		214							
TITLES ROUTED		243							
NEW TITLES ADDED 1971		3							

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COPIES	TITLE	DATE	DURATION
1	CERES - FAD REVIEW	1 JAN 71	12 MOS.
2	IMPACT OF SCIENCE ON SOCIETY	1 JAN 71	12 MOS.
1	MEETINGS ON ATOMIC ENERGY	1 JAN 71	12 MOS.
1	NUCLEAR FUSION	1 JAN 71	12 MOS.

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JOHN CULL, BUYER  
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LB.PS.05.23	LIBRARY PERIODICALS RECEIPT NOTIFICATION LIST	04-01-71	PAGE 1	COPY NO.
	TITLE			
100000	1999999			01
100000	BUSINESS STATISTICS			01
100000	COMMUNICATIONS IN BEHAVIORAL BIOLOGY PART A			01
100000	COMMUNICATIONS IN BEHAVIORAL BIOLOGY PART B:			01
100000	CIVIL SERVICE JOURNAL			01
100000	TREASURY BULLETIN			01
100000	CURRENT GEOGRAPHY			01
100000	C'ESTADG DE S PAULU			01
100000	PEKING INFORMERS			01
100000	VIETNAM			01
100000	INVESTIGATIVE OPHTHALMOLOGY			01
100000	WESTERN FIRE JOURNAL			01
100000	LE MONDE WEEKLY			01
100000	CRY CALIFORNIA			01
100000	ATOMS IN JAPAN			01
100000	NEW MIDDLE EAST, THE			01
100000	WASHINGTON SCIENCE TRENDS			01
100000	ME-SAJE			01
100000	PROGRESS IN CARDIOVASCULAR DISEASES			01
100000	EAST-WEST DIGEST			01
100000	PMI PHOTO METHODS FOR INDUSTRY			01
100000	ASTROPHYSICS AND ASTRONOMY			01
100000	NEW YORK TIMES DAILY			01
100000	NEW YORK TIMES SUNDAY			01
100000	COLLEGE & UNIVERSITY BUSINESS			01
100000	EL ESPECTADOR			01
100000	SUUVETSKII VOIN			01
100000	AUTOMATION AND REMOTE CONTROL			01
100000	JOURNAL OF LIBRARY AUTOMATION			01
100000	ABC			01
100000	ARCHITECTURAL RECORD			01
100000	PERIPHERALS WEEKLY			01
100000	CURRENT CONTENTS, LIFE SCIENCES			01
100000	AVIATION WEEK AND SPACE TECHNOLOGY			01
100000	MULTIPHASIC SCREENING NEWSLETTER			01
100000	NEW YORK			01
100000	PSYCHOLOGY TODAY			01
100000	CRIME CONTROL DIGEST			01
100000	JOURNAL OF LATIN AMERICAN STUDIES			01
100000	LE NOUVEL OBSERVATEUR			01
100000	INNOVATION			01
100000	POLITICA Y ESPERITU			01
100000	WASHINGTON MONTHLY			01
100000	COMPUTERS AND AUTOMATION			01
100000	NUCLEAR INDUSTRY			01
100000	BUSINESS MANAGEMENT			01
100000	EASTERN ECONOMIST			01
100000	FOREIGN SERVICE JOURNAL			01
100000	0442978			01

ABSTRACTS AND INDEX



**Figure 9**

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LIBRARY NAME	LIBRARY PERIODICALS CLAIMS LIST	P.O. NUMBER	PAGE	FREQ YR	AGE (MOS)	PREVIOUS CLAIM SENT
VENDOR NAME	PERIODICAL TITLE	VENDOR NUMBER				
VENDOR NAME NOT LOCATED IN FILE						
A00300	TEMP NEWSLETTER			12	2	NONE
A01400	AIP NEWSLETTER			12	1	NONE
A11090	AEROSPACE			12	1	NONE
A11900	AEROSPACE INTERNATIONAL			12	2	NONE
A17600	AIR FORCE POLICY LETTER FOR COMMANDERS			4	1	NONE
A18700	AIR MAIL NEWS FROM LATIN AMERICA			24	1	NONE
A24000	AIRPORT HIGHLIGHTS			12	1	NONE
A33400	ALLIANCE FOR PROGRESS			52		NONE
A50400	AMERICAN STATISTICIAN			5	2	NONE
A62600	APPLIED PHYSICS LETTERS			24	1	NONE
A63500	ARAB WORLD			12	2	NONE
A70600	ARMY RESERVE MAGAZINE			10	1	NONE
A73300	ASIAN ANALYST			12	1	NONE
A84500	AUSTRALIAN JOURNAL OF STATISTICS			3	2	NONE
B01800	BANCO CENTRAL DE VENEZUELA. CARACAS. BOLETIN			6	2	NONE
B02700	BANCO CENTRAL DE VENEZUELA. CARACAS. BOLETIN MENSUAL			12	1	NONE
B07000	BANK OF LONDON & SO AMERICA. FORTNIGHTLY REVIEW			12	2	NONE
B14500	BELL TELEPHONE MAGAZINE			6	1	NONE
B33700	BIORESEARCH INDEX			12	1	NONE
B51000	BUSINESS & COMMERCIAL AVIATION			12	1	NONE
C03700	CALIFORNIA ECONOMIC INDICATORS			12	1	NONE
C07000	CALIFORNIA STATE PUBLICATIONS. MONTHLY LISTING			12	2	NONE
C09200	CANADIAN FORCES BULLETIN			12	2	NONE
C10200	CENTER FORUM			12	1	NONE
C47000	COMPTON'S MATHEMATICAL UNIVERSITATIS CAROLINA			4	1	NONE
				2	2	NONE



## LIBRARY PERIODICALS -- HOLDINGS AS OF FEBRUARY, 1971

TITLE CODE	TITLE	ISSUES PER YR	MEDIA	STATUS	HOLDINGS HISTORY	INCOMP WLOGS
A00100	AACE BULLETIN	4	H.C.	ACTIVE	LATEST 02 YEARS RETAINED	
A00150	A3C	312	H.C.	ACTIVE	NOT RETAINED.	
A00160	ADSEES. SOVIET AND EAST EUROPEAN ABSTRACTS SERIES	4	H.C.	ACTIVE	N1,07-70 -	
A00181	AEDS MONITOR SYSTEMS	12	H.C.	ACTIVE	10-68 -	
A00192	AEDS JOURNAL	4	H.C.	ACTIVE	V3,N4 -	
A00200	AFM NEWSLETTER	12	H.C.	ACTIVE	V2,N2,1968 -	
A00500	AIAA BULLETIN	12	H.C.	ACTIVE	N1,1964 -	
A00500	ASTRONAUTICS	12	H.C.	ACTIVE	V1,1963 -	
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	FORMERLY JET PROPULSION V24,1954-V28,1958					
A00900	AI C C ECONOMIC REVIEW	12	H.C.	NO LONGER REC	V12,N5,1960 - V20,N23,1969	
A01400	AIP NEWSLETTER	12	H.C.	ACTIVE	LATEST 02 YEARS RETAINED	
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A01600	APCA ABSTRACTS	12	H.C.	CEASED PUBL	V4,N6,1950 - V15,N9,02-70	
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4	4		M030000	"	
5	5, 6, 7	6	M020000	"	
6	8 thru 20	12	M010000	"	
7	21 thru 24		S011500	1st, 15th ea mon.	
8	25 thru 33		D140000	14 days	
9	34 thru 43		T011020	1st, 10th, 20th ea mon.	
10	44 thru 55	1	52	7000000	7 days
11	56 thru 65	1		5000000	5 days
12	66 thru 125	2	104	4300000	Days
13	126 thru 185	3	156	3220000	"
14	186 thru 245	4	208	4111000	"
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